

IN THE CLAIMS:

1. (currently amended) A constant velocity fixed joint ~~in the form of a fixed joint with the following characteristics comprising:~~

an outer joint part ~~(12) which comprises~~ having a longitudinal axis (L12), ~~as well as and~~ an attaching end and an aperture end positioned axially opposite one another, and ~~which is provided with outer ball tracks (22₁, 22₂);~~

an inner joint part ~~(13) which comprises~~ having a longitudinal axis (L13), ~~and an~~ attaching ~~means~~ mechanism for a shaft pointing towards the aperture end of the outer joint part, ~~(12) and which is provided with inner ball tracks (23₁, 23₂);~~ the outer ball tracks and the inner ball tracks form pairs of tracks ~~(22₁, 23₁; 22₂, 23₂);~~ which each ~~the pairs of tracks each~~ accommodate a torque transmitting ball, (14₁, 14₂); wherein each two adjoining pairs of tracks comprise outer ball tracks ~~(22₁, 22₂)~~ whose ~~centre~~ center lines are positioned in planes (E1, E2) which extend substantially parallel relative to one another, ~~as well as and~~ inner ball tracks ~~(23₁, 23₂)~~ whose ~~centre~~ center lines are positioned in planes (E1', E2') which extend substantially parallel relative to one another; and

an annular ball cage ~~(16) is positioned~~ between the outer joint part ~~(12)~~ and the inner joint part ~~(13)~~ and ~~comprises~~ comprising circumferentially distributed cage windows (17) which each accommodate the torque transmitting balls ~~(14₁, 14₂)~~ of two of said adjoining pairs of tracks ~~(22₁, 23₁; 22₂, 23₂);~~

wherein, in an aligned joint, ~~the centres~~ centers (K₁, K₂) of the balls ~~(14₁, 14₂)~~ are held by the ball cage ~~(16)~~ in the joint ~~centre~~ center plane (EM) and, when the joint is articulated, ~~they~~ the ball centers are guided onto the angle-bisecting plane between the longitudinal axes (L12, L13)[[;]], and

wherein ~~the~~ track cross-sections of the outer ball tracks ~~(22₁, 22₂)~~ and of the inner ball tracks ~~(23₁, 23₂)~~ of each pair of tracks are symmetrical relative to axes of symmetry (ES₁, ES₂) which, together with the outer and inner ball track planes (E1, E2, E1', E2'), form identically sized angles (φ_1 , φ_2) opening in opposite directions, and each comprise a common point (M, M').

2.-13. (cancelled)